

ABSTRACT OF THE DISCLOSURE

A storage management system may provide virtual storage devices for use by an
5 operating system. The storage management system may map files representing the virtual
storage devices to a plurality of volumes to be stored on physical storage devices. In
various embodiments, the storage management system may include storage management
components which manage the files representing the virtual storage devices. In one
implementation, the storage management system may support a set of storage commands
10 for the virtual storage devices, including standard commands used by the operating
system to communicate with storage devices, and additional commands for
communicating with the storage management components. The storage management
system may be configured to schedule various applications/operating systems for
execution on multiple processing hardware, and to present a consistent view of storage
15 for a given application/operating system, independent of which of the multiple processing
hardware on which the application/operation system is executing.